

Progressing Toward
Grade Level

4th GRADE MAIN RANGEFINDER

2

Some Surface Errors

Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.

1. Bill's grandma gave him a collection of comic books. Bill counted 513 Ratman comics, 970 Superdog comics, 58 T-Man comics, and 1,042 Bugboy comics.

- a. How many more Superdog comics does Bill have than Ratman comics? Show or explain how you found your answer.

Bill has 457
More Superdog.
6 than Ratman.

$$\begin{array}{r} 970 \\ - 513 \\ \hline 457 \end{array}$$

- b. How many comic books did Bill's grandma give him altogether? Show or explain how you found your answer.

Bill has

$$\begin{array}{r} 513 \\ 970 \\ 158 \\ 1042 \\ \hline 2483 \end{array}$$

all together.

- c. Bill collects 28 new comic books each year. How many new comic books will he have in three years? Show or explain how you found your answer.

Bill will have 2,667 in three years.

$$\begin{array}{r} 28 \\ 28 \\ 28 \\ + 128 \\ \hline 2583 \\ 2667 \end{array}$$

- d. Bill reads five comic books each week. How many weeks will it take Bill to read 30 comic books? Show or explain how you found your answer.

Bill will have to read his comic books for six

Evidence of
Understanding

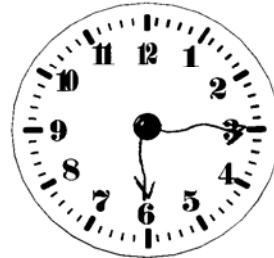


Read problems 2, 3, 4, and 5 on this and the next two pages.
 Select three problems to answer. Answer ALL of the parts of the three problems you select to answer.
 Cross out the one problem that you do not choose to answer.

2. Mrs. Green's fourth grade class went on a field trip to Boise.

Field Trip Schedule

ACTIVITY	START TIME	FINISH TIME
Bus trip to Boise	7:00 AM	9:30 AM
Historical Museum	9:30 AM	10:30 AM
Old Penitentiary	10:45 AM	12:00 PM
Lunch in the park	12:10 PM	12:45 PM
Tour of the Capitol	1:00 PM	2:00 PM
Science Center	2:10 PM	3:20 PM
Bus trip back to school	3:30 PM	6:00 PM



- a. Kim needs to be at school by 7:00 AM for the bus trip to Boise. It takes her 25 minutes to walk to school. What time should Kim leave home? Show or explain how you found your answer.

Limited Process Development

$$\begin{array}{r} 6:00 \\ - 25 \\ \hline 5:35 \end{array}$$

Kim will have to leave at 6:75

- b. How long did the class stay at the Old Penitentiary? Show or explain how you found your answer.

$$\begin{array}{r} 10:45 \\ - 12:00 \\ \hline 18:45 \end{array}$$

$$\begin{array}{r} 10:45 \\ - 12:00 \\ \hline 22:45 \end{array}$$

They stay for 18 hours and 45

- c. How long were the students away from the school altogether? Show or explain how you found your answer.

$$\begin{array}{r} 7:00 \\ + 2:30 \\ + 10:45 \\ + 12:10 \\ + 1:00 \\ + 2:10 \\ + 3:30 \\ \hline 45:25 \end{array}$$

$$\begin{array}{r} 9:30 \\ + 10:30 \\ + 12:30 \\ + 12:30 \\ + 12:00 \\ + 3:20 \\ \hline 66:00 \end{array}$$

They altogether were gone for 4 hours 65 min.

Limited Understanding of Situation

3. The students in Mr. Burns' class voted for their favorite types of vegetables. The student votes are listed below.

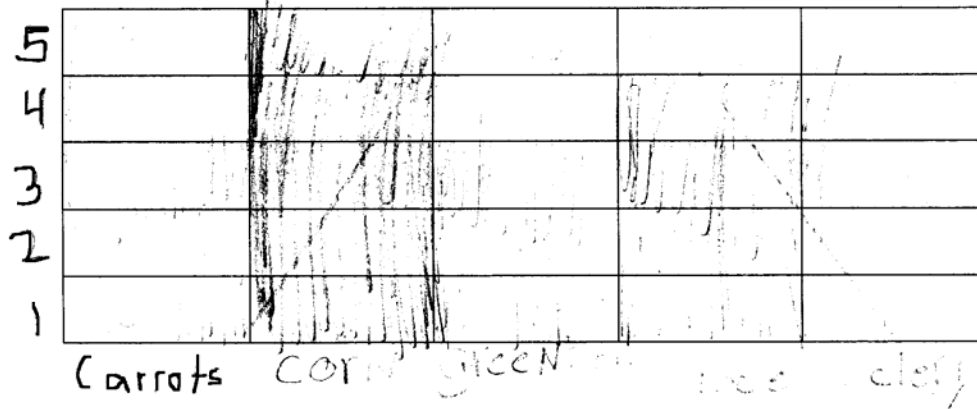
celery	green beans	carrots	green beans
carrots	corn	carrots	corn
green beans	celery	green beans	broccoli
green beans	green beans	celery	green beans
corn	carrots	corn	celery
celery	corn	corn	broccoli
green beans	broccoli	green beans	corn
corn	green beans	broccoli	carrots

- a. How many students chose **each** type of vegetable? Show or explain how you found your totals.

each student counts 4 Vegetable

**Student
Crossed Out This Problem
(It Is Not Considered In The Holistic Score)**

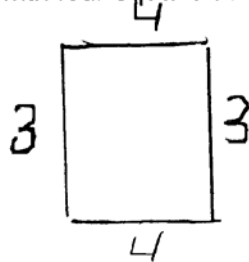
- b. Complete the graph below using the class information.



- c. Write two things you learned about the vegetable choices by looking at the graph.

there are are two on each on that's the same bar on

4. a. Draw a shape with four equal sides of about 1 inch and label the sides.

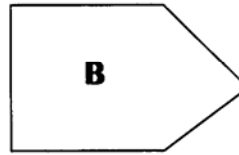
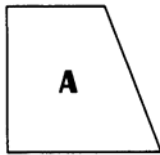


Development
Toward Proficiency

- b. What is the **perimeter** of your shape? Show or explain how you found your answers.

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- c. Look at the two shapes below.



How are they **alike**?

They both are
not polygons

How are they **different**?

A is closer to a
polygon than B

Limited
Math Vocabulary

5. Jill is six years older than her brother.
Her brother is three times older than their dog.
The dog is two years old.

- a. How old is Jill's brother? Show or explain how you found your answer.

Jill's brother is $5 + \frac{3}{5}$

- b. How old is Jill? Show or explain how you found your answer.

Jill is 6 years old. I just read the

- c. Write a number sentence (equation) to show how old Jill will be in five years. ^{Sentence and} it appeared.

$6 + 5 = 11$ Jill will be 11 years old

Limited
Understanding of Situation